

Harsh Thankar

Project Management | Design Engineering & Instrumentation

Location Preference: India, Canada, GCC Countries

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Key Skills

Technical Bid Evaluation

Project Management

Project Planning

Scheduling

Design Engineering

Operations & Maintenance

Cost Estimation

Cost Control

Instrumentation & Control

Cross-functional Coordination

Stakeholder Management

Process Improvement

Erection & Commissioning

Resource Optimization

Reporting & Documentation

Operational Excellence



Profile Summary

- In-depth knowledge of Aramco & SABIC Standards; hands-on experience in advanced field process analyser such as GC, Oxygen Analyser, Flue Gas Analysis, Density, Conductivity, TOC, CEMS Analyser, O2/Combustible Analyser, Liquid Analysers, pH & conductivity.
- Plan, organize and direct Mechanical, Electrical, Civil, Instrument Discipline execution on the assigned project including scope, deliverables, schedule and within manpower resources
- Coordinate with all stakeholders (Third Party Contractor) for deliverables & site activities etc
- Coordinate with other lead engineer for manpower allocation for all SABIC shutdown projects.
- Familiar with DCS, PLC, SCADA in all the projects; possess knowledge of industry codes & standards applicable to oil & gas industries such as NEC, IEC, NEFA, ASME, NEMA and industry best practices.
- Conducted detail engineering on Gas Detection System, FACP with SIL 3 rated PLC.
- Designing of Custody Metering Skid. Working closely with Skid fabricators.
- Well-versed with ISO standards ISO 9001:2015
- Proven project management & organization skills to handle Multiple Project at a time.
- Conversant with Technical Bid Document, Estimation, Engineering and Construction in all phases starting from feasibility to handover to client
- In-depth knowledge of project budgets, costing, invoicing, gross margin.
- Rendered assistance to Project Manager in routine project department technical and administrative tasks and resource manpower planning for all projects in Project Department
- Hands-on experience in conducting test & inspection for various processes and checking the quality.
- Expertise in **implementing cost saving techniques/ measures** and modifications to achieve substantial reduction in all types of O&M expenditures and work within the budget.
- Proficient in planning, in-process inspection, team building and coordination with internal/ external departments.
- **Evaluated methods for projects and facilitated improvements** in project work that reduced costs.
- Competent at providing timely and lasting solutions to breakdown by conducting root cause analysis of failure as well as unexpected maintenance and operational problems.
- An effective leader with strong interpersonal, presentation, problem-solving and motivational skills



Soft Skills



Communicator



Thinker



Collaborator



Innovator



Intuitive



Personal Details



Career Timeline (Recent 3 Associations)

Nelco Ltd., Mumbai as
Engineer- Projects &
Customer Support

CSPCIC Co. Ltd., Jubail as
Sr. Project Engineer

Feb'07 – Aug'07

Aug'07 – Feb'11

Since Feb'11

Pidilite Industries Ltd.,
Mumbai as Section Head-
Instrumentation

Date of Birth: 3rd May 1979

Languages Known: English, Hindi & Marathi

Address: Flat No. 305, C Wing, Vini Garden CHS, Building No.1, Mandpeshwar Road, Disilva Wadi, Borivali (West), Mumbai -400103

Education

- B.E. (Instrumentation) from Vidyavardhini College of Engineering & Technology, Mumbai University, Mumbai in 2000
- Diploma in Instrumentation from Vivekanand Education Society's Polytechnic, Mumbai in 1997

Work Experience

Since Feb'11 with Computer System Protection Chambers & Integrated Communication Co. Ltd., Jubail as Sr. Project Engineer

Key Result Areas:

- Contributing as Project In-charge; acting as Senior Project Engineer and managing & executing individual projects.
- Managing activities right from the conceptualization stage to the execution, involving finalization of technical specifications, procurement, scheduling, progress monitoring, erection, testing, commissioning, site management and manpower planning.
- Directing the management of project execution independently or with minimal guidance from manager.
- Developing cost estimates for the projects and ensuring all-round compliance with pre-set norms.
- Preparing project procedures, execution plans and assisting Project Manager in execution of the project activities
- Lead the team of Junior Engineer, Supervisor, Technician, Draughtsman, Designer and QA/QC Engineer as needed.
- Acting as focal point and liaising with all Discipline Engineers to ensure correct implementation of the project.
- Evolving & sustaining relations and assisting in design & construction meeting with regard to instrument systems.
- Driving efforts towards attaining client on project's technical & administrative document.
- Collaborating with consultant, vendors & subcontractor; steering effective procurement of construction material as per the SABIC / ARAMCO project standard.
- Proactively participating in FAT & SAT along with customer; supervising activity assigned to third party contractors, encompassing scope of work, deliverables, and site supervision compliance with project targets.
- Spearheading end-to-end responsibility from conception, implementation and support.
- Conducting weekly meetings, preparing/issuing meeting notes, weekly project report, monthly project report and other document like S-curve Manpower histograms & resource allocation.
- Leading the review of scope of work deviations and change orders.
- Governing and executing projects with respect to cost, resource deployment, time overruns and quality compliance to ensure operational efficiency.
- Effectuating preventive maintenance schedules of various kinds of equipment to increase the equipment uptime / reliability and accomplishing project targets.
- Deploying suitable manpower, equipment / materials in thermal power plants and ensuring proper planning for timely execution of the projects

Highlights:

- Drove the effective usage of analytical instrument, initial studies, detailed design work such as calculation, specification, preparation of various drawing with the help of draughtsman
- Rendered engineering design & specification to support engineering, procurement & construction activities
- Identified opportunities for improved process analyser, sample system & online analytical service
- Directed designing manufacturing in GI, SS or Aluminium Analyser House as per the customer needs
- Led the design of analyser shelters as per NFPA496 recommendation or designed to specific customer standards
- Validated the primary sample system, secondary sample conditioning system, heated sample line/electrical trace line received from third party analyser vendor
- Prepare Instrument Index, Data Sheet, Instrument Sizing, Prepare Material requisition for all instruments like Pressure Transmitter, Temperature Transmitter, Control Valve, Analyser, PLC etc.
- Steered the procurement of construction material as per the SABIC / ARAMCO project standard

Aug'07 – Feb'11 with Pidilite Industries Ltd., Mumbai as Section Head- Instrumentation

Highlights:

- Directed end-to-end project management from designing to commissioning stages, design & specifications, detailed engineering, procurement & execution
- Spearheaded overall project planning encompassing project scheduling, estimation, coordination, commissioning
- Steered a range of activities encompassing level measurement, flow measurement, pressure measurement, temperature measurement & control valves
- Participated in Hazop activity and FAT activity with third party package vendor
- Attained 7 days training on Eurotherm Controller T640 & PCVUE SCADA 8.01

Previous Experience

Feb'07 – Aug'07 with Nelco Ltd., Mumbai as Engineer- Projects & Customer Support

Sep'03 – Jan'07 with Alkyl Amines Chemicals Ltd., Pune as Engineer- Instrumentation / QA Executive

Nov'02 – Sep'03 with Digital Alarm Technologies India Pvt. Ltd., Mumbai as Project Engineer

Oct'01 – Oct'02 with Alkyl Amines Chemicals Ltd., Mumbai as Management Trainee

Trainings

- Attending Training on PMP.
- ISO 9001 Awareness (Year 2015 version) And Internal Quality Auditor Training (ISO 9001:2015)
- Actively attended training on Quantum PLC (534141), Make: Schneider
- Attended 7 days training on:
 - PCVUE SCADA 8.01
 - Eurotherm Controller T640
 - IFIX SCADA 4.5
 - Wonder ware SCADA 9.1
 - GF-EFANUC 90-30 series

Annexure

Computer System Protection Chambers & Integrated Communication Co. Ltd., Saudi Arabia:

- Since May 21 | Project Title: Installation of 23 numbers of Liquid Analyser in Utility in PK North , SABIC.
- Sep-20-May-21 | Project Title: Installation of CEMS analyser in Calciner stack in MAADEN Aluminium.
- Aug-20-Dec-21 | Project Title: Installation of Gas Detector installation in UDD in SHARQ, SABIC
- Jan-21-Dec-21 | Project Title: Oxygen & Combustible Analyser in HADEED , SABIC
- Since Dec'17 | Project Title: Engineering, Procurement, Supply, Installation, Testing and Construction of LLDPE Flare Analyser & Flow meter KEMYA SABIC.
- Since Nov' 18 | Project Title: Engineering, Procurement, Supply, Installation, Testing & Commissioning of Replacement of 20 numbers of Gas Detector in LDPE reactors in KEMYA, SABIC.
- Since Jan 20 | Project Title: To upgrade SLCs (Control System) for PP3 Conveying Compressors 360-K-301/302/303 n IBN ZAHR, SABIC.
- Since May 20 | Project Title: Engineering, Procurement, Installation ,Testing & Commissioning of pH, Conductivity & TOC Analysers in IBN SINA, SABIC.
- Mar 20 – Sep 20 | Project Title: Installation of Analysers in Rastanaura Refinery Clean Fuel Project Package -2.
- Dec' 18-Dec 19 | Project Title: Replacement of 2 numbers of Moisture Analysers in GOSP#2 in SHAYBAH Plant.
- Oct' 18-May 19 | Project Title: Engineering, Procurement , Supply , Installation, Testing & Commissioning of Analysers Shelter Safety System in LLDPE, KEMYA, SABIC
- May' 18- Aug 19 | Project Title: Engineering, Procurement, Supply, Installation, Testing & Commissioning to procure Custody Meter in Pygas Export Line to Saudi Kayan, KEMYA SABIC.
- Jun'18- Aug 20 | Project Title: Engineering, Procurement and Construction to supply and install O2 Analyser in Lummus Furnace Area, KEMYA SABIC.
- May'16 – Jan'18 | Project Title: Engineering, Procurement and Construction to supply and install O2 Analyser with Trip Logic, SADAF, KEMYA
- May'17 – Dec'18 | Project Title: Analyzer Cabinet for Benzene Monitoring in Petrokemya, SABIC.
- Feb'16 – Dec'16 | Project Title: Gas Detector, Horn & Beacon in SADAF SABIC.
- Jun'16 – May'17 | Project Title: Replacement of 37 number of GCs, SCS & AMS in Petrokemya, SABIC.
- Feb'15 – Nov'15 | Project Title: Engineering, Procurement & Construction of Siemens GC in VCM Plant in Petrokemya- SABIC.
- Feb'15- Apr'15 | Project Title: CO2 Tie in EG1 & EG2 Plant in UNITED, SABIC.
- Oct'14 – Feb'15 | Project Title: Engineering, Procurement & Installation of LEL Gas Detector in Olefins Plant in Petrokemya-SABIC.
- Nov'14 – Apr'15 | Project Title: Siemens GC (Chloride Application) in EG4 Plant in Sharq, SABIC.
- Oct'13 – May'14 | Project Title: Engineering, Procurement & Installation of LEL, EO Gas Detector along with Horn & Beacon & SIL3 rated Invensys TRICONEX PLC in EG2 Plant at Sharq, SABIC.
- May'14 – Dec'14 | Project Title: Engineering, Procurement & Installation of LEL, EO Gas Detector along with Horn & Beacon & SIL3 rated Invensys TRICONEX PLC in PE1 & PE2 Plant at Sharq –SABIC.
- Sep'12 – Oct'13 | Project Title: Yanbu Export Refinery Project Pkg 3 & 4 (Yanbu Site, Saudi Arabia).

- 🕒 Feb'11 – Sep'12 | Project Title: Jubail Export Refinery Project PKG 2B.
- 🕒 Feb'11 – Sep'12 | Project Title: Jubail Export Refinery Project Pkg 1 (Jubail Site, Saudi Arabia)

Pidilite Industries Ltd. , Mumbai, India:

- 🕒 Project Title: Homopolymer Plant in Kalamb, Himachal Pradesh (AI: 15, AO:8, DI:11, DO:25, RTD:14)
- 🕒 Project Title: Homopolymer Plant in Egypt (AI: 32, AO:6, DI:9, DO:16)
- 🕒 Project Title: Automation of Filtration system in Kihim villa, Alibaug- (AI: 12, AO:0, DI:21, DO:20)
- 🕒 Project Title: Polychloroprene Plant in Dahej: (AI: 2500, AO: 1020, DI: 4134&DO: 4020)

Alkyl Amines Chemicals Ltd., Pune, India:

- 🕒 Project Title: Erection & Commissioning of Hydrogen Recovery Plant (AI:10, AO:5, DI:142, DO:134)
- 🕒 Project Title: Nishko Scanner
- 🕒 Project Title: Erection & Commissioning of Ethyl Amine Plant (AI:72, AO:59, DI:152, DO:134)
- 🕒 Project Title: SCADA Commissioning